

Amendments to the Claims:

Claims 1-15 are pending in this application. Claims 1 and 13 are independent. By this Preliminary Amendment, claims 1 and 13 are amended. No new matter has been added by this Preliminary Amendment.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A projection type display apparatus comprising:

a first projection optical system for obliquely projecting light from an original onto a predetermined plane, said first projection optical system forming an intermediate image of the original on or near said predetermined plane;

a second projection optical system for obliquely projecting the light from said predetermined plane onto a plane for display; and

light deflecting means disposed between said first projection optical system and said second projection optical system for deflecting the light emerging from said first projection optical system to the second projection optical system;

~~wherein an optical axis of said first projection optical system is deflected by said light deflecting means to substantially coincide with the optical axis of said second projection optical system and tilt angle of said first projection optical system relative to said light deflecting means conforms to a Sheimpflug rule~~

wherein said intermediate image is formed in air adjacent to said light deflecting means.

2. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said light deflecting means is disposed on said predetermined plane.

3. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said light deflecting means has a transmission type diffractive optical element.

4. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said light deflecting means has a reflection type diffractive optical element.

5. (ORIGINAL) A projection type display apparatus according to claim 1, wherein said light deflecting means is a hologram.

6. (ORIGINAL) A projection type display apparatus according to claim 1, wherein said light deflecting means is disposed at or near the position of said intermediate image.

7. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said plane for display has an eccentric Fresnel lens.

8. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said plane for display has a plurality of eccentric Fresnel lenses.

9. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, wherein said plane for display has a lenticular lens.

10. (ORIGINAL) A projection type display apparatus according to claim 1, wherein said light deflecting means has the light deflecting action and the light condensing action.

11. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, further comprising a plurality of reflecting mirrors which are so disposed to be parallel with the plane for display.

12. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 1, which is of a rear projection type projecting an image from the rear onto the plane for display.

13. (CURRENTLY AMENDED) A projection type display apparatus comprising:
a first projection optical system for obliquely projecting light from an original onto a predetermined plane, said first projection optical system forming an intermediate image of the original on said predetermined plane;
a second projection optical system for obliquely projecting the light from said predetermined plane onto a plane for display; and
wherein an optical axis of said first projection optical system is bent by using a diffractive optical element to substantially coincide with an optical axis of said second projection

optical system,

~~wherein tilt angle of said first projection optical system relative to said diffractive optical element conforms to a Sheimpflug rule~~

wherein said intermediate image is formed in air adjacent to said light deflecting means.

14. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 13, wherein said diffractive optical element is a hologram.

15. (PREVIOUSLY PRESENTED) A projection type display apparatus according to claim 13, further comprising at least reflecting mirror which is so disposed as to be parallel with the plane for display in an optical path between the original and the plane for display.